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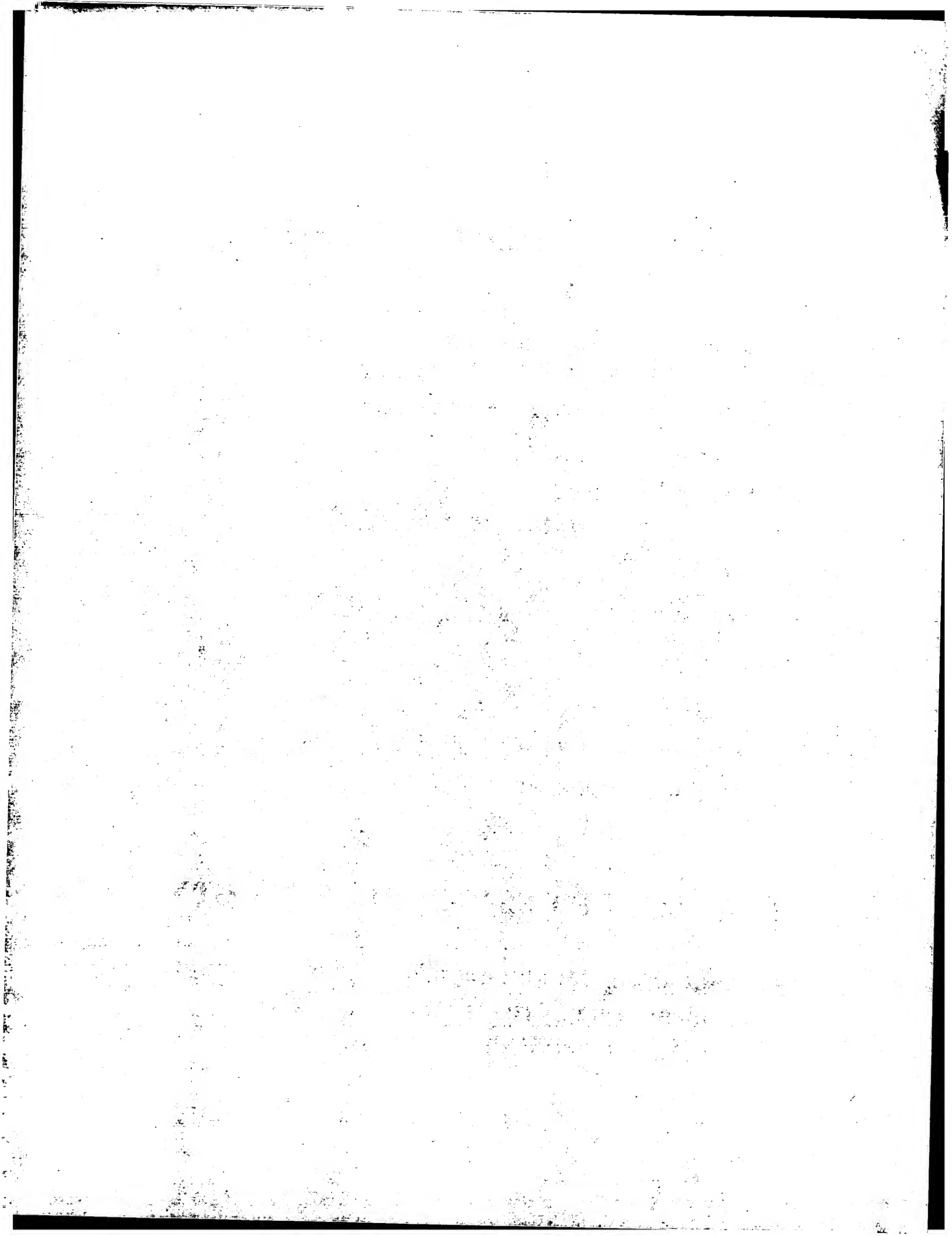
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Derwent Record

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✉ Em

Derwent Title: **Equipment for renovating sewer pipes, esp. domestic connectors - has shuttering panel for sealing against inner sewer wall, and inflatable bladder to prevent ingress of sealing material into domestic pipe**

Original Title: ☒ **DE4415962A1: Sanierungsger t zur Sanierung von Kanalrohren, insbesondere Hausanschlurohren**

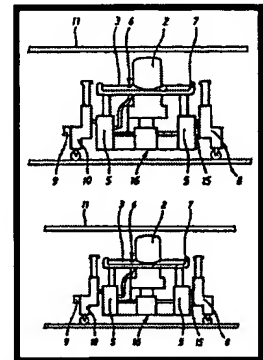
Assignee: **KANALTEC AG Non-standard company**

Inventor: **DIETRICH H;**

Accession/
Update: **1995-383742 / 199845**

IPC Code: **E03F 3/06 ; F16L 55/16 ; F16L 55/18 ;**

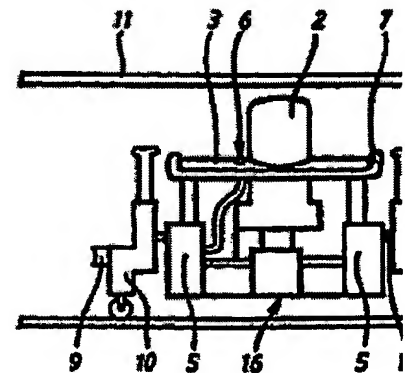
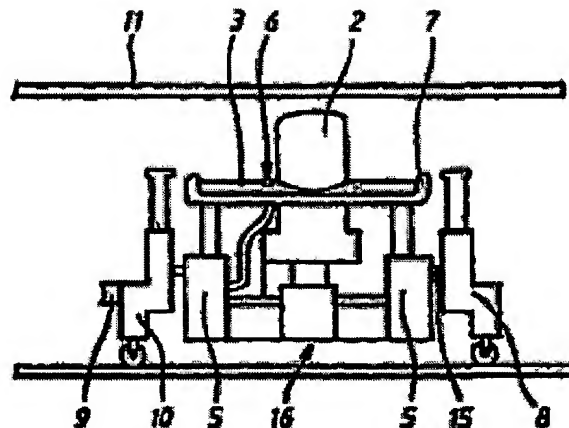
Derwent Classes: **Q42; Q67;**



Derwent Abstract: (DE4415962A) The equipment has a device (16) which consists mainly of a shuttering-panel (3), and a bladder (2), which can be acted upon by a pressure. The panel may be raised and lowered by 4 hydraulically or pneumatically operated lifting cylinders (5), and may also contain an outlet (6) for filling material, and a circumferential sealing bead (7) made from a soft plastics or rubber material. The bladder may be guided through the panel in order for it to be inserted into domestic connecting pipes. The device may be mounted on a chassis (10), such that it can rotate approx. an axis (15) which is parallel to the longitudinal direction of the sewer pipe.

USE/Advantage - Domestic sewer pipe renovating equipment repairs cracks around connections of domestic systems to public sewer pipes.

Images:



Dwg.1/4

Family: **PDF Patent**


Pub. Date Derwent Update Pages Language IPC Code

 **DE4415962A1** * 1995-11-09 199550 6 German E03F 3/06

Local appls.: DE1994004415962 Filed:1994-05-06 (94DE-4415962)

 **DE59503350G** = 1998-10-01 199845 German F16L 55/16

Local appls.: Based on WO09530858 (WO 9530858)
Based on EP00758436 (EP 758436)
DE1995000503350 Filed:1995-04-28 (95DE-0503350)
EP1995000917980 Filed:1995-04-28 (95EP-0917980)
WO1995EP0001630 Filed:1995-04-28 (95WO-EP01630)


 **EP0758436B1** = 1998-08-26 199838 6 German F16L 55/16

Des. States: (R) AT BE CH DE DK ES FR GB IT LI NL SE

Local appls.: Based on WO09530858 (WO 9530858)
EP1995000917980 Filed:1995-04-28 (95EP-0917980)
WO1995EP0001630 Filed:1995-04-28 (95WO-EP01630)

JP9512887W = 1997-12-22 199810 12 English F16L 55/16

Local appls.: Based on WO09530858 (WO 9530858)
JP1995000528653 Filed:1995-04-28 (95JP-0528653)
WO1995EP0001630 Filed:1995-04-28 (95WO-EP01630)

 **EP0758436A1** = 1997-02-19 199713 1 German F16L 55/16

Des. States: (R) AT BE CH DE DK ES FR GB IT LI NL SE

Local appls.: Based on WO09530858 (WO 9530858)
WO1995EP0001630 Filed:1995-04-28 (95WO-EP01630)
EP1995000917980 Filed:1995-04-28 (95EP-0917980)


AU9524091A = 1995-11-29 199609 English F16L 55/16


Local appls.: Based on WO09530858 (WO 9530858)
AU1995000024091 Filed:1995-04-28 (95AU-0024091)

 **WO9530858A1** = 1995-11-16 199551 13 German F16L 55/16

Des. States: (N) AU CA JP US
(R) AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Local appls.: WO1995EP0001630 Filed:1995-04-28 (95WO-EP01630)



 **INPADOC** Show legal status actions
Legal Status:




 **First Claim:** Show all claims 1. Sanierungsgerät zur Sanierung von Kanalrohren, insbesondere Hausanschlußrohren, **dadurch gekennzeichnet**, daß eine Saniervorrichtung (16) vorha im wesentlichen aus einer Schalungsplatte (3) und einer unter Druck aufblasbaren Blase

 **Priority Number:**

| Application Number | Filed | Original Title |
|------------------------|------------|----------------------------------------------------------------------------------|
| <u>DE1994004415962</u> | 1994-05-06 | Sanierungsgeraet zur Sanierung von Kanalrohren, insbesondere Hausanschlussrohren |

 **Citations:**

| PDF | Patent | Original Title |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <u>DE3618963</u> | VORRICHTUNG ZUM DICHTSCHLIESSENDEN VERBINDEN EINES MIT EINEM INNENROHR SANIERTEN ABWASSERKANALES MIT EINEM QUER EINMUENDENDEN HAUSANSCHLUSSKANAL ODER DERGLEICHEN |
|  | <u>EP0423640</u> | DEVICE FOR CONSTRUCTING A SEALING CONNECTION BETWEEN A MAIN CONDUIT AND A SIDE CONDUIT WITH A |

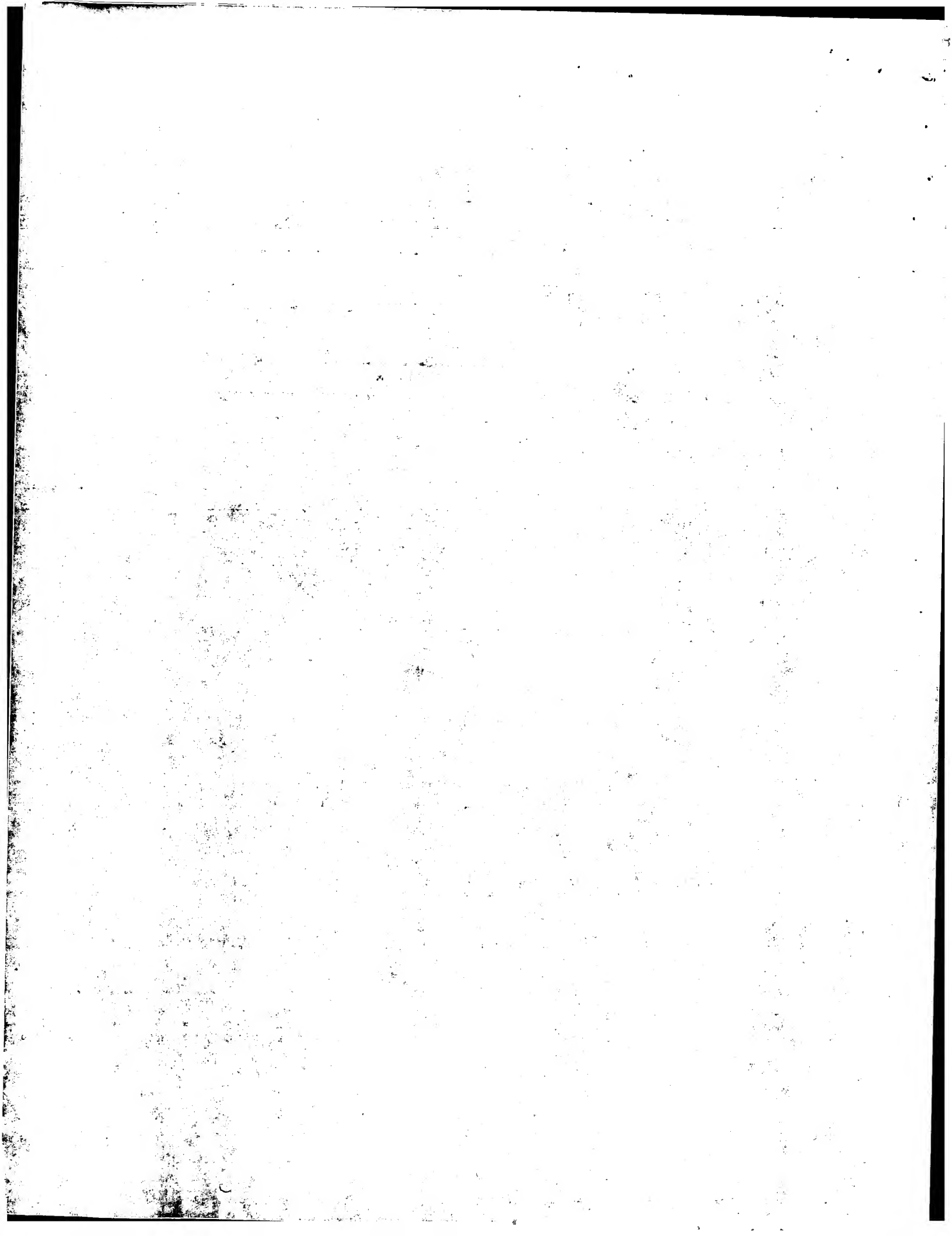
| | | |
|-----------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------|
| | | CONNECTOR |
|  | EP0465892 | METHOD FOR SEALING A SIDE CONDUIT LEADING INTO A MAIN PIPE AND DEVICE FOR CARRYINF OUT THIS METHOD |
|  | WO9005874 | PROCESS FOR REPAIRING AN INACCESSIBLE DOMESTIC PIPE USING A REMOTE-CONTROLLED DEVICE OPERATING IN THE MAIN |
|  | WO9108417 | REMOTELY CONTROLLED INSTALLATION OF LININGS IN INACCESSIBLE SEWER-PIPE JUNCTIONS AND DISCHARGE ENTRIES |

🔍 Title Terms: EQUIPMENT RENOVATE SEWAGE PIPE DOMESTIC CONNECT SHUTTERING
 PANEL SEAL INNER SEWAGE WALL INFLATE BLADDER PREVENT INGRESS
 SEAL MATERIAL DOMESTIC PIPE

[Pricing](#) [Current charges](#)

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|--------------------------|---------------------------------------------------------------------------------------|
| Derwent Searches: | Boolean Accession/Number Advanced |
|--------------------------|---------------------------------------------------------------------------------------|

Data copyright Thomson Derwent 2003





①9 **BUNDESREPUBLIK
DEUTSCHLAND**



**DEUTSCHES
PATENTAMT**

⑫ **Offenlegungsschrift**
⑩ **DE 44 15 962 A 1**

⑤1 Int. Cl.⁸:
E 03 F 3/06
F 16 L 55/18

②1 Aktenzeichen: P 44 15 962.5
②2 Anmeldetag: 6. 5. 94
④3 Offenlegungstag: 9. 11. 95

DE 44 15 962 A 1

⑦1 Anmelder:
Kanaltec AG, Zug, CH

⑦4 Vertreter:
Riebling, P., Dipl.-Ing. Dr.-Ing., Pat.-Anw., 88131
Lindau

⑦2 Erfinder:
Dietrich, Herbert, 88074 Meckenbeuren, DE

⑤6 Für die Beurteilung der Patentfähigkeit
in Betracht zu ziehende Druckschriften:

| | |
|----|--------------|
| DE | 39 34 832 C1 |
| DE | 42 13 898 A1 |
| DE | 40 22 103 A1 |
| DE | 39 11 267 A1 |
| DE | 36 18 963 A1 |
| DE | 94 01 673 U1 |
| GB | 21 47 682 A |
| EP | 4 55 764 B1 |

STEIN, Dietrich;
NIEDEREHE, Wilhelm: Instandhaltung von
Kanalisationen, Verlag für Architektur und
technische Wissenschaften, Berlin, S.345-347,
S.494-501;

⑤4 Sanierungsgerät zur Sanierung von Kanalrohren, insbesondere Hausanschlußrohren

⑤7 Die vorliegende Erfindung bezieht sich auf ein Sanierungs-
gerät zur Sanierung von Kanalrohren, insbesondere Hausan-
schlußrohren, wobei das Gerät im wesentlichen aus einem
Fahrgestell besteht, welches eine Sanierungsvorrichtung
trägt, welche im wesentlichen aus einer unter Druck aufblas-
baren Blase besteht, die in den zu sanierenden Hausan-
schluß eingeführt wird und einer Schalungsplatte, welche
fest an die Innenwandung des Hauptkanals angepreßt wird,
so daß in den Zwischenraum zwischen Schalungsplatte und
Hauptkanal ein Füllstoff zum Sanieren des Kanals einge-
bracht werden kann.

DE 44 15 962 A 1

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

BUNDESDRUCKEREI 09. 95 508 045/339

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- Leerseite -

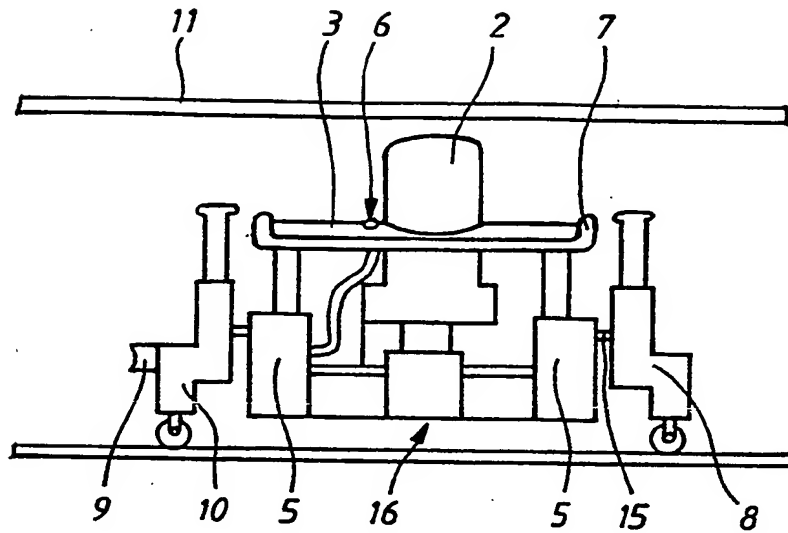


FIG 1

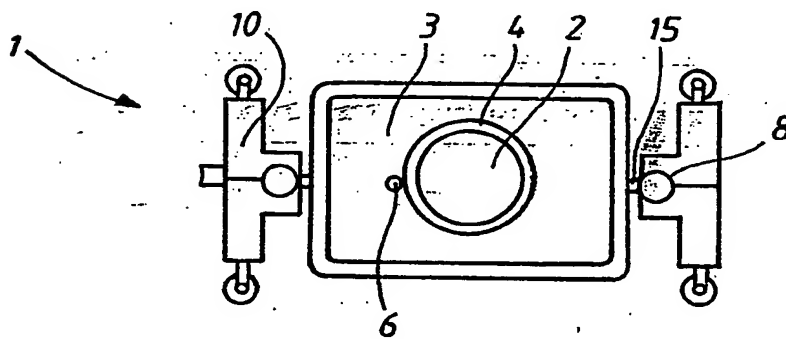


FIG 2

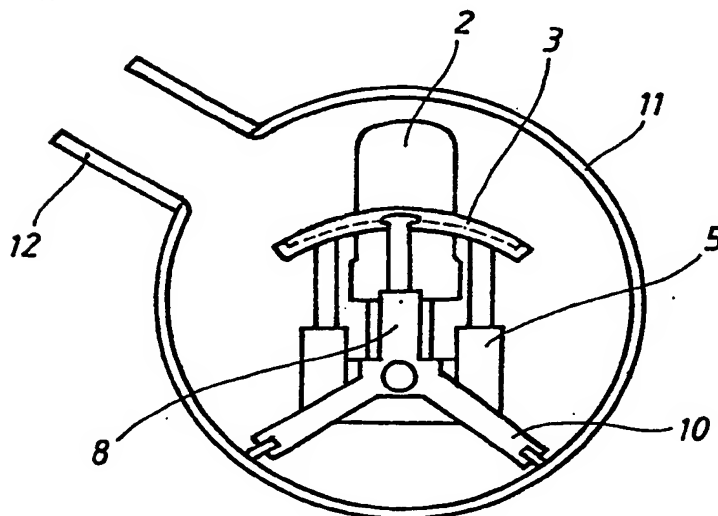


FIG 3

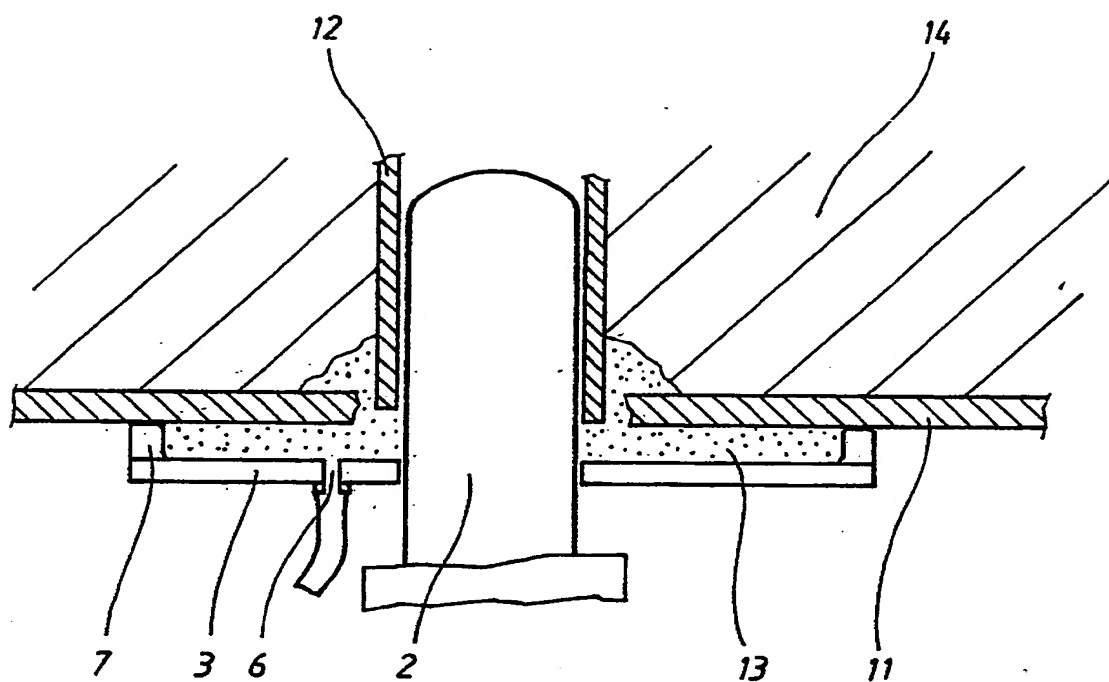


FIG 4